The map legend reads:

- Highway
- Runways
- River

MIVOTHERM

Bird strike early warning system

The MIVOTHERM bird strike early warning system monitors the flight direction and speed of birds at and near airports to enable a prognosis of potential hazards of collisions between birds and aircrafts landing or taking off. The generated information can be used to influence the behaviour of birds or to direct air traffic, thus allowing a considerable reduction in the risk of a bird strike.

MIVOTHERM uses a 3rd generation thermal imager, which enables day and night observations in any weather. Thanks to 3D imaging, the position of the birds can be determined very precisely during flight, thus enabling an accurate prognosis when birds will be at a predefined position. Furthermore, multisensor platforms allow high-resolution observation of the birds, which

subsequently facilitates the determination of the species.

A direct connection of MIVOTHERM to the airport information systems or the aviation safety authorities provides real-time bird observation data to those responsible.

The new Sensor House

HENSOLDT
Detect and Protect.

MIVOTHERM

System	
Configurability	Configurable and scalable in accordance with airport specifications
Observation platforms	Multisensor platforms, 3D observation platforms, day vision and infrared cameras
Control center	Configurable based on operational requirements, with connection to external systems
Mission profile	Continuous, 24/7 outdoor surveillance operations, year-round operation, fully automated operation possible
Platforms	
Multisensor platforms	3rd generation thermal imagers, high-resolution day vision cameras, laser rangefinder, stationary use on buildings or masts
3D observation platform	Dual visual field stereo cameras (4 thermal imagers), self-calibrating, self-monitoring
Camera systems	Integration of additional surveillance cameras and sensors possible
Electrical interface	
Communications	Ethernet
	Data interface: Connection to airport and air traffic controllers
Ambient conditions	
Environmental test	DIN EN 9022; DIN EN 60068

A fully automatic warning system enhances security

The system keeps an eagle-eye on birds' heading